

# Security in Air Transportation

- ✈ **Brief History of Air Cargo Security**
- ✈ **Chain of Checks & Balances**
- ✈ **Hazardous material controls**

Presented by



# **A Brief History**

## **Heightened Security in Air Transportation**

**The concern over airline security  
began in 1961 .....**





The explosion of TW 800 triggered improved cargo security procedures including inspection of shipments from unknown shippers & requiring Security Declarations on all shipments.

**1996**



The bombing of Pan American flight 103 over Lockerbie, Scotland heightened concern of airline safety procedures. The FAA began focusing on unaccompanied items such as air freight.





and then...

**September 11, 2001**





# A Brief History

On November 19, 2001, President Bush signed into law the Aviation & Transportation Security Act.



Part of this was the creation of the  
**Transportation Security  
Administration,  
(TSA)**

which now falls under the  
**Dept of Homeland Security.**



# A Brief History



The **TSA** is charged with the responsibility for inspecting persons and property carried by aircraft operators and foreign air carriers.

These policies govern

- the handling of cargo
- the security of aircraft and facilities
- reporting unlawful acts of interference



# Security in Air Transportation

Security Regulations are constantly modified in accordance with the most current risk assessment to insure the protection of

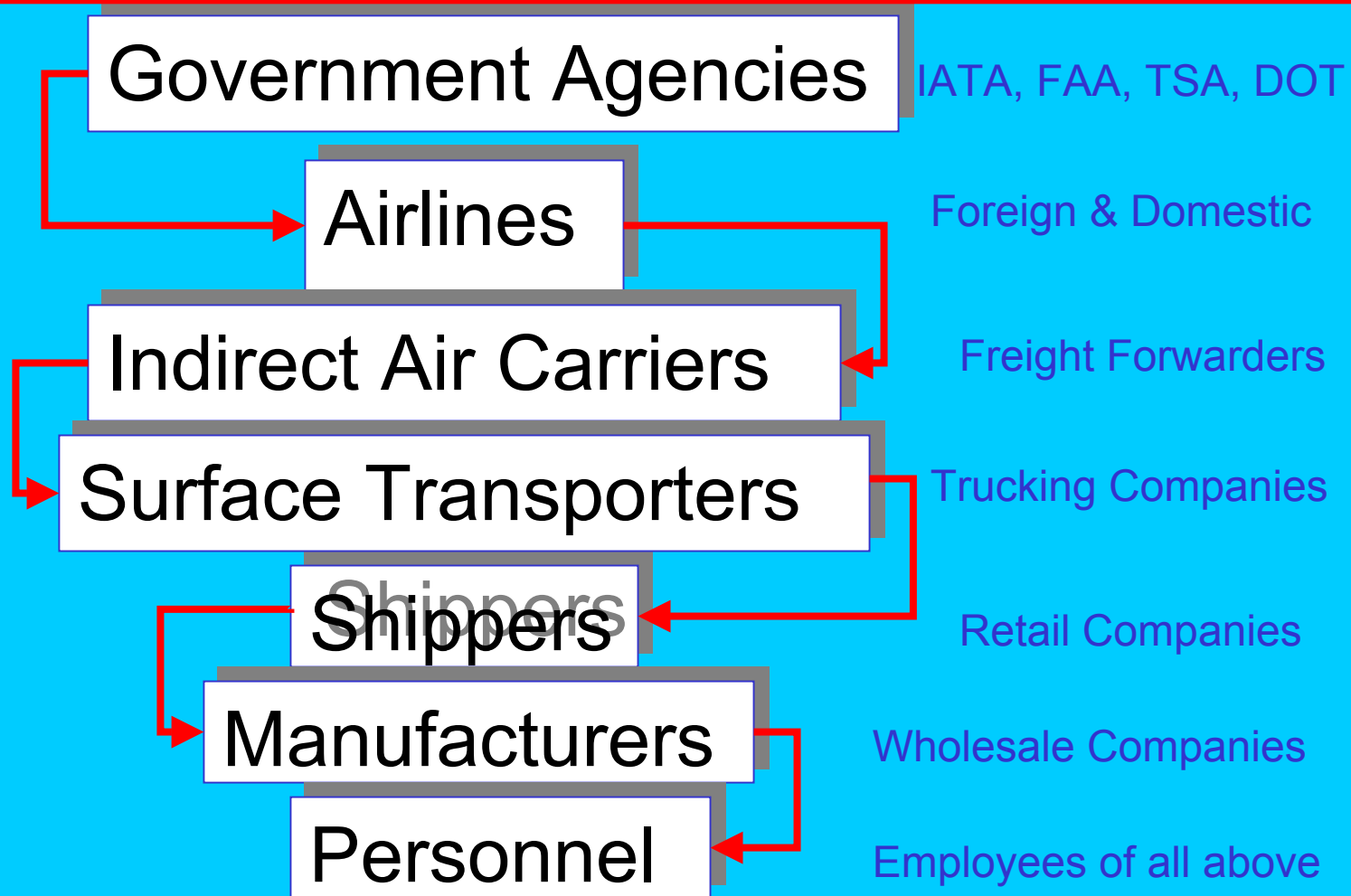
✈ **People**

✈ **Property**

✈ **Aircraft**



# Security Checks & Balances





# Security Checks & Balances

Government Agencies

Airlines

Indirect Air Carriers

Surface Transporters

Shippers

Manufacturers

Personnel

**Each entity in the transport chain is responsible to insure that all cargo is**

- ➔ from a reliable source,
- ➔ protected from outside tampering,
- ➔ packaged properly to minimize hazard risks,
- ➔ handled by trained personnel,
- ➔ documented accurately.



# Security Checks & Balances

**All staff** with access to cargo destined for air transport must:



- ✓ have passed a rigorous background check
- ✓ be successfully trained in security procedures
- ✓ report any signs of tampering
- ✓ have specialized DGR training if they will be involved in the packing or transport of this type of cargo



# Hazardous material controls

Hazmat (also known as **DGR**) must adhere to even more stringent controls in order to insure the safety of everyone in the transport chain.



# Hazardous material controls

- Packaging: Specific requirements based on
  - Hazard Class
  - Quantity
  - Transport mode

- Labeling: including
  - Hazards
  - Contents
  - Special Handling

- Documentation

- All of the above +
- Emergency Contact information

- Loading
  - Compatibility
  - Accessibility



# Hazardous material controls

## Risks involved in hazmat cargo transport:

- Accidental damage to these shipments can cause an “incident” which can endanger people, property and the environment.
- In the hands of terrorists, in an uncontrolled environment, these commodities can pose an even greater threat.



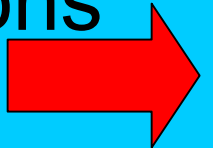


# Hazardous material controls

→ Strict packing regulations prevent physical inspection of the contents, so security screening methods are limited.



Hazmat shipments have a high risk of inflicting harm if they are lost, damaged or stolen, so additional regulations apply.



# Hazardous material controls

Security Requirements have been added to the **CFR** (“Code of Federal Regulations” )

- After **March 25, 2003** all hazmat employees must receive ***security awareness training*** with their recurrent hazmat training.
- By **September 24, 2003**, every person or company who transports hazmat ***must develop & adhere to a security plan.***
- By **December 22, 2003** all ***employees*** of these companies ***must be trained in this security plan.***



# Hazardous material controls

At a minimum, the security plan must include:

- **Personnel Security** -verified background checks of job applicants.
- **Unauthorized access** - preventing unauthorized persons from gaining access to these goods



# Hazardous material controls

The security plan must also include:

- **En route security** - measures to assess and address the security risks in transit from origin to destination, including storage areas.
- **Written copies of the plan**, available to all employees on a “need to know” basis.
- **Revisions and updates** as necessary to reflect changing circumstances.



# Security in Air Transportation

*Security in **Air Transport** is only one of many components under the scrutiny of the **TSA**.*



*Diligent protection & oversight of Hazmat cargo is a critical element in the defense of **Homeland Security**.*





# Security in Air Transportation

*Thank you for your attention.*

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✈ **Any Questions?**

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